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Attorney Docket No: 42390P15396C

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re A	Application of:		RECEIVED
	Arogyaswami J. Paulraj et al.	Examiner: ***	MAY 0 5 2003
Applie) cation No.: 09/876,896	Art Unit: 2634	Technology Center 2600
Filing	Date: June 6, 2001	Empression of the state of the state of the	
For:	METHOD AND WIRELESS) COMMUNICATIONS SYTEM) USING COORDINATED) TRANSMISSION AND TRAINING) FOR INTERFERENCE MITIGATION)	Name of Person Mailing Correspondence Nati Sucht 4/25/1	
Assist	ant Commissioner for Patents	ប់ខ្មែកដល់ម	Licio

Washington, D.C. 20231

REVOCATION AND POWER OF ATTORNEY

The assignee, Intel Corporation, of the above-identified Patent Application, hereby revokes all previous powers of attorney given in this Patent Application, and appoints the firm identified below and individual.

Intel Corporation, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an Assignment from the inventor(s) of the patent application identified above. The Assignment was recorded in the Patent and Trademark Office at Reel______, Frame______, or when the Assignment has not yet been recorded, a copy thereof is attached.

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The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The individual whose signature appears below is authorized to execute this Power of Attorney on behalf of Intel Corporation.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please direct all communications concerning this Application to:

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12400 Wilshire Boulevard, Seventh Floor
Los Angeles, CA 90025
(408) 720-8300

Date: APRI\ 22,2003

David Simon
Chief Petent Coun

Chief Patent Counsel Intel Corporation

U.S. PATENT APPLICATION ASSIGNMENT

This U.S. Patent Application Assignment (this "Assignment") is made as of September 18, 2002 by **Iospan Wireless, Inc.**, a Delaware corporation ("Assignor"), to **Intel Corporation**, a Delaware corporation ("Assignee").

RECITALS

- A. Assignor and Assignee have entered into an Asset Purchase Agreement dated as of September 18, 2002 (the "Purchase Agreement"). All capitalized terms used herein but not otherwise defined shall have the meanings set forth in the Purchase Agreement.
- B. Pursuant to the Purchase Agreement, Assignor desires to assign to Assignee all of Assignor's right, title and interest in and to patent applications filed with the United States Patent and Trademark Office and set forth on Exhibit A hereto (the "Patent Applications").

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in the Purchase Agreement and the covenants and agreements in this Assignment and to induce Assignee to consummate the transactions contemplated by the Purchase Agreement, Assignor agrees as follows:

- Assignor does hereby sell, transfer, convey, assign and deliver to Assignee all of Assignor's right, title and interest in and to the Patent Applications and any patents that may issue therefrom, including any foreign counterparts, divisions, continuations, or reissues of such patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all claims for Damages by reason of past infringements of the Patent Applications, along with the right to sue for and collect such Damages for the use and benefit of Assignee and its successors, assigns and other legal representatives.
- 2. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.
- 3. Assignor hereby covenants with Assignee and the successors and permitted assigns of Assignee that, from time to time after the date hereof, Assignor will promptly execute and deliver to Assignee or shall promptly procure the execution and delivery of any and all such instruments of sale, transfer, conveyance, assignment and delivery, consents, assurances, powers of attorney and other instruments as may reasonably be requested by Assignee in order to vest in

Assignee all of Assignor's right, title and interest in and to the Patents and carry out the purpose and intent of this Assignment and the Purchase Agreement.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date first above written.

IOSPAN WIRELESS, INC.

By:

Name: Levent Gun

Title: President and Chief Executive Officer

EXHIBIT A

Title	Filing Date	Serial No.
Data Routing For Spatial	7/30/99	09/518,500
Multiplexing In A Cellular		
Network	•	
Subscriber Unit	4/7/00	09/545,434
Incorporating Spatial		
Multiplexing		
Subscriber Unit In A	4/7/00	09/564,770
Hybrid Link Incorporating		
Spatial Multiplexing		
A Cellular Wireless Re-	6/9/00	09/591,015
Use Structure That Allows	0, 5, 0 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Spatial Multiplexing And		
Diversity Communication		
Method And System For	6/30/00	09/609,591
Mode Adaptation In	0/50/00	05/005,051
Wireless Communication		
Systems Spatial Separation And	7/21/00	09/621,119
Multi-Polarization Of	7721700	05/021,115
Antennas In A Wireless		
Cellular Network		
Wireless Communications	9/1/00	09/653,060
System That Supports	2/1/00	05/055,000
Multiple Modes Of		
Operation		
An Apparatus And Method	9/28/00	09/678,179
For Optimizing Data	7/20/00	
Transfer Capacity Of A		
Multiple Base Transceiver		
Station Cellular Wireless		
Network System		
Method And System For	9/29/00	09/676,410
Adapting A Wireless Link	<i>7127100</i>	05/0/0,110
In Response To Measured		
Error Rates		
Mode Selection For Data	9/19/00	09/665,149
Transmission In Wireless	7/17/00	0,7,000,11,9
Communication Channels		
Based On Statistical		
Parameters Laterference Mitigation In	10/13/00	09/687,965
Interference Mitigation In Wireless Communications	10/13/00	07/007,505
wireless Communications		1

By Training Of Interfering		
Signals		
A System And Method For	11/8/00	09/708,170
Data Transmission From		
Multiple Wireless Base		
Transceiver Stations To A		
Subscriber Unit		
A System And Method For	12/4/00	09/729,886
Synchronizing Data		
Transmission From		
Multiple Wireless Base		
Transceiver Stations To A		
Subscriber Unit		
Mode Lookup Tables For	12/1/00	09/730,687
Data Transmission In		
Wireless Communication		
Channels Based On		
Statistical Parameters		
Method And System For	12/22/00	09/745,767
Evaluating A Wireless		
Link		
A Method And System For	2/1/01	09/775,860
Controlling The Flow Of	•	
Data In A Base		
Transceiver Station		
Adaptive Channel	2/6/01	09/778,323
Allocation Technique For		- '
Wireless Communications		
Systems		
A Method, System And	3/6/01	09/813,656
Apparatus For Displaying		·
The Quality Of Data		
Transmissions In A		
Wireless Communication		
System		
A Method And System For	3/23/01	09/816,652
Scheduling The		
Transmission Of Wireless		
Data		
	3/27/01	09/819,947
Management And Scheduling Of Data That	3121101	02/012,21/
Is Wirelessly Transmitted		
Between A Base Transceiver Station And		
i i i i i i i i i i i i i i i i i i i		
Subscriber Units	6/6/01	09/876,896
Method And Wireless	6/6/01	03/6/0,630

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Communications Systems For Interference Mitigation		
For Interference Mitigation		
(Continuation of GWI-		
101)	6/5/01	09/875,806
Wireless Communication	0/3/01	09/6/3,600
Systems With Adaptive		
Channelization And Link		
Adaptation	611.1.10.4	00/000 574
Channel Interpolation	6/11/01	09/880,574
Filters In OFDM Systems		
Spatial Multiplexing Using	6/4/01	09/873,449
Co-Located Antennae		
With Multiple		
Polarizations Suitable For		
Mobile Applications	·	
A Wireless System	5/31/01	09/870,706
Contention Management		
Procedure		001001 110
A Method And System For	6/28/01	09/894,448
Adapting A Wireless Link		
To Achieve A Desired		
Channel Quality		00/000 110
A System And Method For	7/5/01	09/900,110
Error Correction Coding		
Wirelessly Transmitted		
Information In A Multiple		
Antennae Communication		
System	5/04/01	00/012 914
A System And Method Of	7/24/01	09/912,814
Classifying Remote Users		
According To Link		
Quality, And Scheduling		
Wireless Transmission Of		
Information To The Users		
Based Upon The		
Classifications	7/24/01	09/912,800
A System And Method For	7/24/01	09/912,000
Circulant Transmit		
Diversity	8/28/01	09/942,838
A System And Method For	8/28/01	09/942,636
Simulating A MIMO		
Transmission Channel	0/5/01	09/948,204
Transmit Signal	9/5/01	U3/340,4U 4
Preprocessing Based On		
Transmit Antennae		
Correlations For Multiple		

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Transmission Of Wirelessly Transmitted Information A System And Method For Transmit Diversity Based Upon Transmission Channel Delay Spread A System And Method For Multiple Signal Carrier Time Domain Channel Estimation A System And Method Of Dynamically Optimizing A Transmission Mode Of Wirelessly Transmitted Information A Multiple Channel Wireless Receiver A Robust Multiple Chain Receiver A Method And System For Multiple Chain Wireless Receiver And Transmitter Phase And Amplitude Correction A Method And System Of Biasing A Timing Phase Estimate Of Data Segments Of A Received Signal A Method And System For Adjusting A Power Level Of A Transmission Signal Based Upon A Peak To Average Ratio A Method And System Of 9/16/02	Intonnoe Systems		
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Transmission Of Wirelessly Transmitted Information A System And Method For Transmit Diversity Based Upon Transmission Channel Delay Spread A System And Method For Multiple Signal Carrier Time Domain Channel Estimation A System And Method Of Dynamically Optimizing A Transmission Mode Of Wirelessly Transmitted Information A Multiple Channel Wireless Receiver A Robust Multiple Chain Receiver A Method And System For Multiple Chain Wireless Receiver And Transmitter Phase And Amplitude Correction A Method And System Of Biasing A Timing Phase Estimate Of Data Segments Of A Received Signal A Method And System For Adjusting A Power Level Of A Transmission Signal Based Upon A Peak To Average Ratio A Method And System Of Office of Policians of Pol		10/9/01	05,7,75,120
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Receiver A Method And System For Multiple Chain Wireless Receiver And Transmitter Phase And Amplitude Correction A Method And System Of Biasing A Timing Phase Estimate Of Data Segments Of A Received Signal A Method And System For Adjusting A Power Level Of A Transmission Signal Based Upon A Peak To Average Ratio A Method And System Of 9/16/02			
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Multiple Chain Wireless Receiver And Transmitter Phase And Amplitude Correction A Method And System Of Biasing A Timing Phase Estimate Of Data Segments Of A Received Signal A Method And System For Adjusting A Power Level Of A Transmission Signal Based Upon A Peak To Average Ratio A Method And System Of 9/16/02			10/150 534
Receiver And Transmitter Phase And Amplitude Correction A Method And System Of Biasing A Timing Phase Estimate Of Data Segments Of A Received Signal A Method And System For Adjusting A Power Level Of A Transmission Signal Based Upon A Peak To Average Ratio A Method And System Of 9/16/02	*	5/29/02	10/158,/34
Phase And Amplitude Correction A Method And System Of Biasing A Timing Phase Estimate Of Data Segments Of A Received Signal A Method And System For Adjusting A Power Level Of A Transmission Signal Based Upon A Peak To Average Ratio A Method And System Of 9/16/02			
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Transceiver To Signals	Fransceiver To Signals		
Received By The			
Transceiver		L	

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Acknowledgment by Notary Public

State of <u>California</u>	
County of Santa Clara	
On this 17 = day of the day of the day of the basis of satisfactory evidence.	of 2002 before me, the undersigned Notary Public, personally known to me (or proved to me ence) to be the person whose name is subscribed to the within me that he or she executed the same. Signature:
en e	Name:, Notary Public
Commission # 1213405 Notary Public - Californi Santa Clara County My Comm. Expres Mar 18, 2	